## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : John K. Hughes and Gurpreet Singh

Serial No.

Filed : Concurrently Herewith

For : APPARATUS AND METHOD FOR

WIRELESS LOCAL AREA NETWORKS

OF DIFFERENT COUNTRIES

Group Art Unit

Examiner

Commissioner for Patents Washington, D.C. 20231

# INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97, applicants wish to call the attention of the Examiner to the following documents:

## U.S. Patents

Sturniolo et al. U.S. Patent 6,091,951 (7/18/00)
Rostoker et al. U.S. Patent 6,035,212 (3/7/00)
Fomukong et al. U.S. Patent 5,918,159 (6/29/99)
Hill et al. U.S. Patent 5,857,155 (1/5/99)
Sanpei et al. U.S. Patent 5,732,349 (3/24/98)
Krolopp et al. U.S. Patent 5,699,408 (12/16/97)
Hickman et al. U.S. Patent 5,635,940 (6/3/97)
Tymes U.S. Patent 5,029,183 (7/2/91)
Pireh U.S. Patent 5,020,093 (5/28/91)

#### Other Documents

Horn, K., "Draft Supplement To Standard for Telecommunications and Information Exchange Between Systems - LAN/MAN Specific Requirements, Part 11: Wireless Medium Access Control (MAC) and Physical layer (PHY) specifications:, Specification for Operation in Additional Regulatory Domains," IEEE 802.11 Task Group d, pp. 1-34 (March, 2000).

Zegelin, C., "A Simple Approach for World Wide Deployment," IEEE 802.11 Task Group d, pp. 1-7 (November, 1999).

O'Hara, B., "Submission," IEEE 802.11 Task Group d, pp. 1-4 (September 15, 1999).

Engwer, D. and Zweig, J, "Algorithmically Derived Hop Sequences," IEEE 802.11 Task Group d, pp. 1-10 (September 13, 1999).

O'Hara, B., "Universal DSSS and HRDS Channelization," IEEE 802.11 Task Group d, pp. 1-3 (September 3, 1999).

O'Hara, B. "Task Group d Report, September 13-17, 1999 Santa Rosa, CA," IEEE 802.11 Task Group d, Slides 1-7 (September, 1999).

O'Hara, B. "Universal DS Channelization," IEEE 802.11 Task Group d, Slides 1-5 (September, 1999).

Skellern, D., "TGd - Additional Regulatory Domains for 802.11 - Meeting #2, July 1999 Montreal Meeting Minutes," IEEE 802.11 Task Group d, pp. 1-2 (July 6, 1999).

Kawaguchi, D., "FH Hopping Patterns for New Regulatory Domains," IEEE 802.11 Task Group d, pp. 1-2 (July 5, 1999).

O'Hara, B. "TGd Report July 1999 Meeting Montreal, Quebec, Canada," IEEE 802.11 Task Group d, Slides 1-6 (July, 1999).

O'Hara, B., "TGd Agenda, July 1999 Meeting Montreal, Quebec, Canada," IEEE 802.11 Task Group d, Slides 1-4 (July, 1999).

Petrick, A., "TGd - May Interim Meeting Minutes," IEEE 802.11 Task Group d, pp. 1-2 (May 5, 1999).

O'Hara, B., "Proposed PAR for Supplement to 802.11 for Additional Regulatory Domains," IEEE 802.11 Task Group d, pp. 1-4 (January 13, 1999).

These documents are listed on the accompanying Form PTO-1449 and copies are enclosed herewith.

It is respectfully requested that the documents be

(1) fully considered by the Patent and Trademark Office during
the examination of this application; and (2) printed on any
patent which may issue on this application. Applicant requests
that a copy of Form PTO-1449, as considered and initialed by the
Examiner, be returned with the next communication.

Consideration of the foregoing in relation to this patent application is respectfully requested.

Respectfully submitted,

Pejman Sharifi

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Sheet \_1\_ of \_\_2

**FORM PTO-1449** 

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. SYM-16

SERIAL NO.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICANT
John K. Hughes and Gurpreet Singh

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FILING DATE
Concurrently Herewith

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#### **U.S. PATENT DOCUMENTS**

|                     |                    | 0.01.7712.11.0000.112.11.0 |                  |       |          |                            |  |  |
|---------------------|--------------------|----------------------------|------------------|-------|----------|----------------------------|--|--|
| EXAMINER<br>INITIAL | DOCUMENT<br>NUMBER | DATE                       | NAME             | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |  |  |
|                     | 6,091,951          | 7/18/00                    | Sturniolo et al. | 455   | 432      |                            |  |  |
|                     | 6,035,212          | 3/7/00                     | Rostoker et al.  | 455   | 552      |                            |  |  |
|                     | 5,918,159          | 6/29/99                    | Fomukong et al.  | 455   | 38.1     |                            |  |  |
|                     | 5,857,155          | 1/5/99                     | Hill et al.      | 455   | 456      |                            |  |  |
|                     | 5,732,349          | 3/24/98                    | Sanpei et al.    | 455   | 435      |                            |  |  |
|                     | 5,699,408          | 12/16/97                   | Krolopp et al.   | 375   | 59       |                            |  |  |
|                     | 5,635,940          | 6/3/97                     | Hickman et al.   | 342   | 389      |                            |  |  |
|                     | 5,029,183          | 7/2/91                     | Tymes            | 375   | 1        |                            |  |  |
|                     | 5,020,093          | 5/28/91                    | Pireh            | 379   | 59       |                            |  |  |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| EXAMINER INITIAL |   |  |  |  |  |  |
|------------------|---|--|--|--|--|--|
|                  | Horn, K., "Draft Supplement To Standard for Telecommunications and Information Exchange Between Systems - LAN/MAN Specific Requirements, Part 11: Wireless Medium Access Control (MAC) and Physical layer (PHY) specifications:, Specification for Operation in Additional Regulatory Domains," IEEE 802.11 Task Group d, pp. 1-34 (March, 2000). |  |  |  |  |  |
|                  | Zegelin, C., "A Simple Approach for World Wide Deployment," IEEE 802.11 Task Group d, pp. 1-7 (November, 1999).   |  |  |  |  |  |
|                  | O'Hara, B., "Submission," IEEE 802.11 Task Group d, pp. 1-4 (September 15, 1999).   |  |  |  |  |  |
|                  | Engwer, D. and Zweig, J, "Algorithmically Derived Hop Sequences," IEEE 802.11 Task Group d, pp. 1-10 (September 13, 1999).  |  |  |  |  |  |
|                  | O'Hara, B., "Universal DSSS and HRDS Channelization," IEEE 802.11 Task Group d, pp. 1-3 (September 3, 1999).  |  |  |  |  |  |
|                  | O'Hara, B. "Task Group d Report, September 13-17, 1999 Santa Rosa, CA," IEEE 802.11 Task Group d, Slides 1-7 (September, 1999).   |  |  |  |  |  |

## **EXAMINER**

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

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| FORM PTO-           | 1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE   | ATTY. DOCKET NO.<br>SYM-16                  | Sheet 2<br>SERIAL N |                   |   |  |  |  |  |  |
|                     | INFORMATION DISCLOSURE STATEMENT BY APPLICANT  | APPLICANT John K. Hughes and Gurpreet Singh |                     | PTO               |   |  |  |  |  |  |
|                     | STATEMENT BY APPLICANT   | FILING DATE Concurrently Herewith           | GROUP               | ଖ . ଷ .<br>ଆନ୍ତଳୀ |   |  |  |  |  |  |
|                     | OTHER DOCUMENTS (Including Author, Title,  | Date, Pertinent Pages, Etc.)                |                     | 943               | 5 |  |  |  |  |  |
| EXAMINER<br>INITIAL |  |   |                     | jć                |   |  |  |  |  |  |
|                     | O'Hara, B. "Universal DS Channelization," IEEE 802.11 Task Group d, Slides 1-5 (September, 1999).  |   |                     |                   |   |  |  |  |  |  |
|                     | Skellern, D., "TGd - Additional Regulatory Domains for 802.11 - Meeting #2, July 1999 Montreal Meeting Minutes," IEEE 802.11 Task Group d, pp. 1-2 (July 6, 1999). |   |                     |                   |   |  |  |  |  |  |
|                     | Kawaguchi, D., "FH Hopping Patterns for New Regulatory Domains," IEEE 802.11 Task Group d, pp.   |   |                     |                   |   |  |  |  |  |  |

O'Hara, B. "TGd Report July 1999 Meeting Montreal, Quebec, Canada," IEEE 802.11 Task Group d.

O'Hara, B., "TGd Agenda, July 1999 Meeting Montreal, Quebec, Canada," IEEE 802.11 Task Group d,

Petrick, A., "TGd - May Interim Meeting Minutes," IEEE 802.11 Task Group d, pp. 1-2 (May 5, 1999).

O'Hara, B., "Proposed PAR for Supplement to 802.11 for Additional Regulatory Domains," IEEE

**EXAMINER** 

1-2 (July 5, 1999).

Slides 1-6 (July, 1999).

Slides 1-4 (July, 1999).

802.11 Task Group d, pp. 1-4 (January 13, 1999).

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